



ANNUAL REPORT

DEPARTMENT OF MICROBIOLOGY

✉ markazmicrobiology@gmail.com

2021-2022



MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD

(Affiliated to the university of Calicut)

✉ markazcollege@gmail.com

DEPARTMENT OF MICROBIOLOGY

STARTING DATE OF ACADEMIC YEAR: 1st JUNE 2021

ASSOCIATION SECRETARY: MOHAMMED YASEEN

PROGRAMME CO-ORDINATOR: SHAMLA.A.K

FACULTIES

SI No.	NAMES	DUTIES	QUALIFICATION
1	JUMAILA.K.P	HoD	MSc, NET
2	MUHAMMED JASEEL.A	CONVENOR	MSc, NET
3	SHAMLA.A.K	SECRETARY	MSc, NET
4	THASNEEM.T	SECRETARY	MSc, NET

STUDENTS STRENGTH

SI No.	SEMESTER	No.Of BOYS	No.Of GIRLS	OTHERS	TOTAL
1	FINAL YEAR	3	33	-	36
2	THIRD YEAR	4	33	-	37
3	FIRST YEAR	3	34	-	37
	TOTAL	10	100	-	110

EXTERNAL EXAMINATION

BATCH	No.Of students appeared	No.Of students passed	<u>Percentage</u>
2018-2021	24	21	88

INTERNAL EXAMINATION

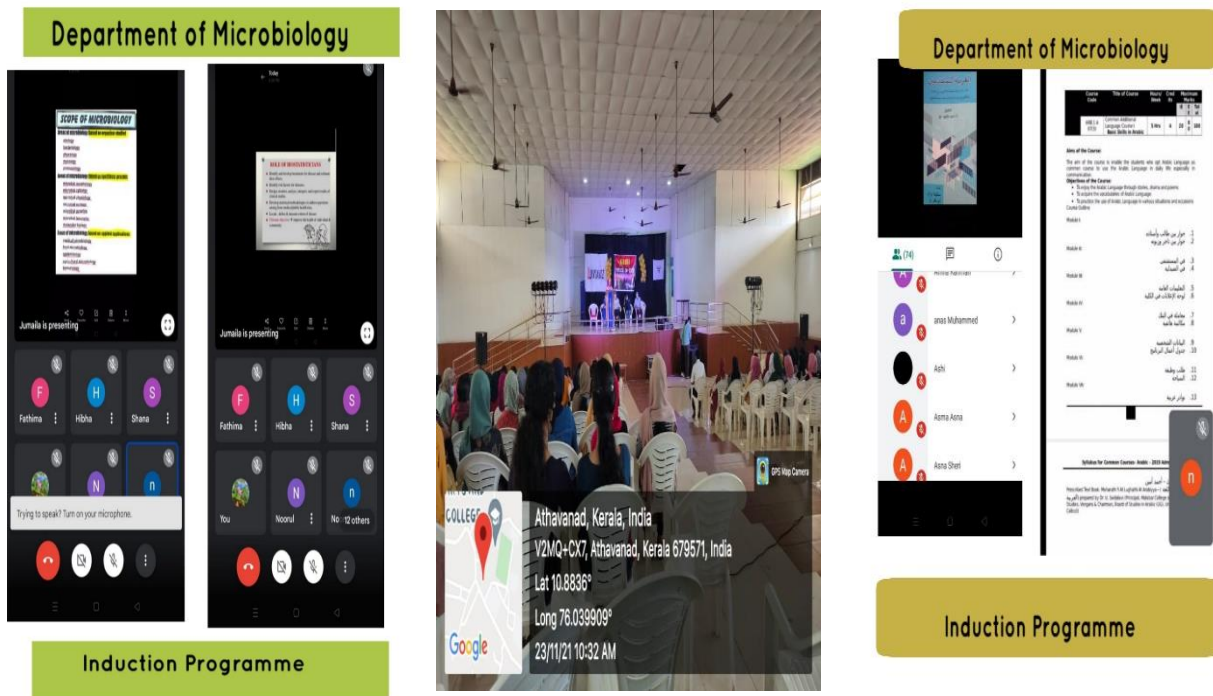
EXAMS	FROM	TO
FIFTH SEMESTER	04/04/2021	08/04/2021
THIRD SEMESTER	08/03/2021	10/03/2021
FIRST SEMESTER	09/04/2021	15/04/2021

DEPARTMENT PROFILE

The college was reopened on 01/06/2021. The department has 4 Faculty members and 1 lab attender. The department has 110-degree students in which there were 10 boys and 100 girls. The faculty members of the department participated in various webinar, FDP Programme. The department of microbiology conducted various webinar, Certificate course and exhibition programme in this academic year and detailed report is given below.

MICROBIOLOGY STUDENT INDUCTION PROGRAMME (2021-2022)

Markaz Arts and Science College-Athavanad organized one week induction programme for the first-year students in the academic year 2021-22 from 16-10-21 to 23-10-2021 before regular classes start. The programme was focused on various aspects such as institutional and department level orientation.



DEPARTMENT FACULTY ATTENDED FDP IN OTHER INSTITUTION

All faculty from Department of microbiology attended one-week online faculty development programme on “**NATIONAL EDUCATION POLICY(NEP)2020-NEW RESEARCH PROSPECTS**” from 22/09/2021 to 28/09/2021, Organized by Kolathur Muhammed Moulavi Academic Chair for Research Promotion in Association With IQAC-Majlis Arts And Science College-Puramannur. ShamlA.A.K attended 7 days’ workshop in Kerala “Prudent teaching dynamics” on 21/06/2021-28/06/2021 at SAFI Institute of Advanced study,Vazhayoor, kerala.



FACULTY ACTED AS RESOURCE PERSON

On 17/06/2021 ShamlA AK (Assistant professor -Department of Microbiology) invited as Keynote speaker for a Webinar Organised by Department of Food Science, Pazhassiraja College Pulpally-Wayanad, on the topic **Importance of Food Safety**.

PAZHASSIRAJA COLLEGE PULPALLY
DEPARTMENT OF FOOD SCIENCE
SPOONENTS
Webinar
Topic: Importance of food safety

17/06/2021
5 PM



SHAMLA A.K
ASSISTANT PROFESSOR
MARKAZ ARTS AND SCIENCE COLLEGE, ATHAVANAD
* certificate will be provided to participants

DEPARTMENT OF MICROBIOLOGY EXAMINATION RESULT 2020-21.

The percentage of UG -Microbiology result in last academic year was 88%.24 number of students appeared the examination and 21 students who cleared all semesters.

DETAILS OF SEMINAR CONDUCTED BY THE DEPARTMENT

Total number of Seminar :4

National seminar:1

State level seminar:3

DATE	International/national	Seminar/webinar	Resource person	Topic	No-of participants
26/06/2021	State	Webinar (orientation)	SAMEER ALI-BEAT OFFICER-Thrithala police station	role of youth against drug abuse	60
2/08/2020	National	Webinar	Dr. Sandhya SV-Scientist (Headquarters, Goa)-Biological Oceanography	Opportunities in microbiology research”	60
2/10/2020	State	Webinar	Rashid Mukkathil-CEO-Meson Global.	Science and technology in development.	50
03/10/2020	State	Webinar (career guidance)	Dr.REMINA P P (Assistant professor; Moulana Nursing College-Perinthalmanna).	Preparation of prometric exams in abroad	40

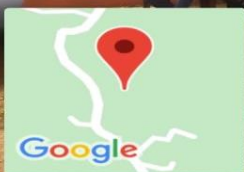
OUT SIDE SEMINAR ATTENDED BY FACULTY:

Name of the teacher	No.of Seminar Attended	Place & Location	Topic
JUMAILA KP	1	22/09/2021-28/09/2021 Majlis Arts and Science College-Puramannur	Research Methodology Workshop
SHAMLA AK	2	21/06/2021-28/06/2021 SAFI Institute of Advanced study,Kerala	“Prudent teaching dynamics” Research
		22/09/2021-28/09/2021 Majlis Arts and Science College-Puramannur	Methodology Workshop
MUHAMMED JASEEL A	2	22/09/2021-28/09/2021 Majlis Arts and Science College-Puramannur	Research Methodology Workshop
		29/may/2021 Farook arts and science college-Kottakal	ICT For Improving College Administration
THASNEEM P	<u>1</u>	22/09/2021-28/09/2021 Majlis Arts and Science College-Puramannur	Research Methodology Workshop

FIELD VISIT/STUDY TOUR CONDUCTED:

Second year students of BSc microbiology and biochemistry departments of Markaz arts and science college visited KARD SKILL ACADEMY run by KERALA ASSOCIATION FOR RURAL DEVELOPMENT ON 30/03/2022 ON 11:30 AM, visit mainly focusing to empowerment of youth through skill and enhanced training, total 52 students were visited in the institution, teachers accompanied for the visit are SHAMLA A.K, SUROOR JAHAN. K. K, and MUBASHIR K K





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SEMINAR ON INTELLECTUAL PROPERTY RIGHTS

A seminar on IPR was organised by the Department of Microbiology and Biochemistry in association with IQAC on 24/01/22, in the college main block at room number 4 for second year students. The session started at 11.30 am with the welcome note by Shamla AK Assistant Professor-Microbiology. Key note speaker was **Dr.U. Ahammed Basheer** (Retired Head PSMO College-Department of

Commerce) gave a brief introduction on IPR also explained the various related terms such as copyrights, patents ,other types of rights, such as trade secrets, publicity rights, moral rights, and rights against unethical .Artistic works like music and literature, as well as some discoveries, inventions, words, phrases, symbols, and designs can all be protected as intellectual property.

The session was effective and informative, almost 62 students were participated.He also shared his experience on IPR lecture with various students.The session concluded at 1.00 pm with vote of thanks by Mr.Muhammed Yaseen second year Microbiology student.



CERTIFICATE COURSE ON MUSHROOM CULTIVATION

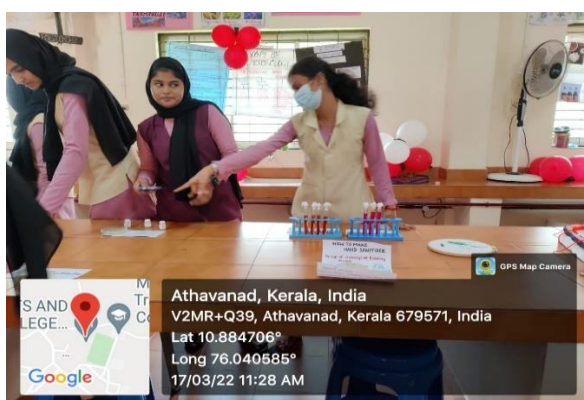
Department of microbiology conducted a certificate course on mushroom cultivation on 6/3/20 duration of 30 hours.Mushroom Cultivation course covers 6 lessons on how to grow and cultivate mushrooms on either a small or large scale. Emphasis is placed on the Agaricus species , though other commercially important edible fungi are also considered.Collected spawns from wayanad spawn developing unit.Almost 37 students were participated on this program, conducted an examination and distributed certificates .

Growing, harvesting, marketing, storage, pest and diseases and even ways of cooking and using mushrooms are covered. This is an excellent introductory course to understanding the cultivation of mushrooms.Mushroom cultivation has become a profitable business with the produce fetching good returns in the market.



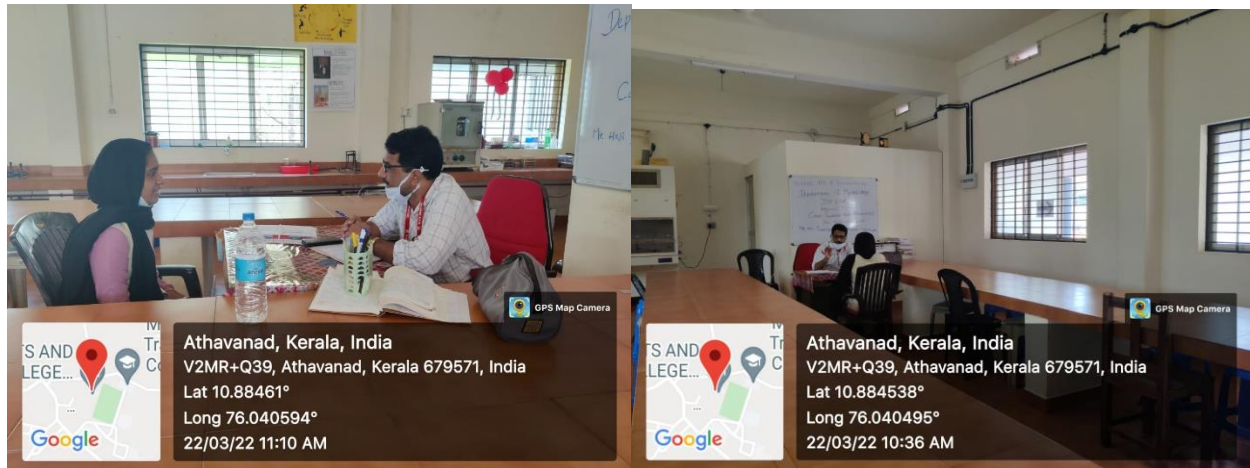
OPEN HOUSE DEPARTMENT LEVEL EXHIBITION

Microbiology department conducted open house science exhibition on 17th March 2022. The programme was inaugurated by Principal Dr. C P Muhammed Kutty and we exhibited microbiological tools and techniques to other department students and public.



JOB FAIR :

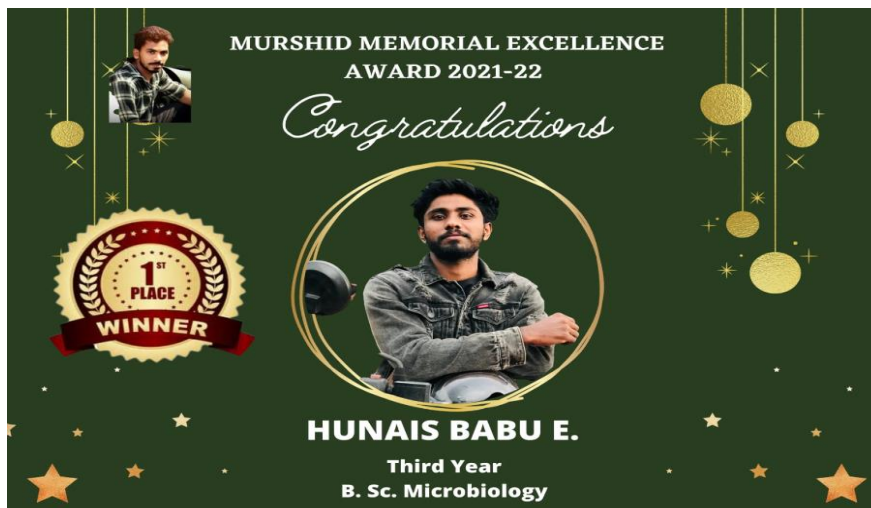
The career guidance cell conducted a job fair in association with companies and our students got the opportunity to sit in interviews. The fair help them to gain the knowledge of how to prepare for an interview



MAJOR ACHIEVEMENTS AND ACCOMPLISHMENTS

1. EXCELLENCE AWARD:

Murshid memorial excellence award is honoured to the excellent student in our college. The competition includes five major examination and select the winners.



Hunais Babu.E (Third year Microbiology) was won First place in Murshid Memorial Excellence Test 2021-22 (Cash Prize 10,000 and certificate)



Mohammad Yaseen K. K (Second year Microbiology) was won Third place in Murshid Memorial Excellence Test 2021-22 (Cash Prize 3,000 and certificate)

2. PROFICIENCY TEST:

It is the award given for the academically excellent student of each department. In Microbiology department the proficiency award goes to **FARSANA V V** of third year microbiology



3. MAPPILAPATTU COMPETITION:

An intercollegiate mappilappattu competition in memorance of Mappila maha Kavi Moyin kutty vaidyar was arranged at KAHM Unity Women's College, Manjeri on

February 16th 2022. Fist year students of Department of Microbiology **Abdul Azeez, Fahmidha Binsy, Najiha Fida.K.E** and Final year student **Mohammad Rinshad.C.P** participated in this programme. Our students achieve an “A” grade with 4th place out of 30 colleges’ participated.



4. INTER DEPARTMENT QUIZ COMPETITIONS:

Department of Physics conducted an inter department quiz completion and Final year students of Microbiology department **HUNAIS BABU.E & SHINSIYA** won the first prize



Department of Chemistry conducted a quiz competition related to **World Water Day** on 22nd March 2022. **HUNAIS BABU E & SANILA K T** of final year Microbiology won the first place.



5. THAKAJAM ARTS FESTIVAL :

Fine arts festival of Markaz Arts and Science College “THAKAJAM” was held on March 2022. The Off-stage items were successfully conducted on 16th and 18th March 2022 and the team MBPs (Microbiology, Botany & Physics) **won the first place**. The On-stage competitions were held on 22 & 23 March and it was inaugurated by **FIROSE BABU** (singer). In On-stage team MBPs scored total of **72 points and placed first**. **Najiha Fida.K.E** of first year Microbiology won the title “**Kalathilakam**”



**Markaz Arts and Science college
Arts Day Competition - 2022
On Stage Events**

Name of Events	Points			
	Biochemz	Psychobians	BOBBNZ	MBPs
Recitation				
English	3	5.1		
Malayalam		1		5.3
Arabic			1	5.3
Hindi				
Light Music		5		
Male				
Female	3	1		5.3
Mappilappa				5
Male	1			
Female	3.1		3	5
Monoact			1	5
Mimicry	5.3	1		5
Folk dance (Single)				1
Group Song (Indian)	-	-	-	2
Group Song (Mappila)		3		10
Patriotic Song				10
Folk Song				5
TOTAL	19	17	5	72



ACHIEVERS:

S.N	NAME OF STUDENT	CLASS	PRIZE	COMPETITION
1	MOHAMMED RINSHAD.C.P	THIRD YEAR	FIRST	LIGHT MUSIC
2	HUNAIS BABU.E	THIRD YEAR	FIRST	MALAYALAM-ESSAY
3	HUNAIS BABU.E	THIRD YEAR	FIRST	MALAYALAM-DEBATE
4	FATHIMATH ZAHRA RAYIN	THIRD YEAR	FIRST	ENGLISH- DEBATE

5	FATHIMA MUNEERA	THIRD YEAR	SECOND	EMBROIDARY
6	DIYA.E	THIRD YEAR	SECOND	POSTER MAKING
7	FATHIMATH ZAHRA RAYIN	THIRD YEAR	SECOND	ENGLISH-ESSAY
8	THAIFA BEEVI	THIRD YEAR	THIRD	ENGLISH- RECITATION
9	AYISHATHU SHIFANA.O.C	SECOND YEAR	FIRST	MALAYALAM-VERSIFICATION
10	HAFSA NASRIN	SECOND YEAR	SECOND	ENGLISH-VERSIFICATION
11	AYISHATHU SHIFANA.O.C	SECOND YEAR	SECOND	MALAYALAM- ESSAY
12	FATHIMA HAFEEFA	SECOND YEAR	THIRD	ENGLISH- ESSAY
13	FATHIMA SABEEHA	SECOND YEAR	THIRD	EMBROIDARY
14	ABDUL AZEEZ.P	FIRST YEAR	FIRST	MAPPILAPPATTU
15	NAJIHA FIDA.K.E	FIRST YEAR	FIRST	MAPPILAPPATTU
16	NAJIHA FIDA.K.E	FIRST YEAR	FIRST	LIGHT MUSIC
17	NIDHA.M	FIRST YEAR	FIRST	HINDI- VERSIFICATION
18	FAHMIDHA BINSI	FIRST YEAR	FIRST	ARABIC- RECITATION
19	ARCHANA.P.V	FIRST YEAR	FIRST	MONOACT
20	FATHIMA ASEELA	FIRST YEAR	SECOND	ARABIC- VERSIFICATION
21	ABDUL AZEEZ	FIRST YEAR	SECOND	Light music
22	FATHIMATHU SHIFA.K.P	FIRST YEAR	SECOND	ARABIC- RECITATION
23	FARHANA SHERIN.M.K	FIRST YEAR	THIRD	ARABIC- ESSAY
24	FATHIMA ASEELA	FIRST YEAR	THIRD	ARABIC- VERSIFICATION
25	AFRAH	FIRST YEAR	THIRD	HINDI- STORY WRITING
26	NAJIHA FIDA.K.E	FIRST YEAR	THIRD	HINDI- VERSIFICATION
27	AFRAH	FIRST YEAR	THIRD	HINDI-STORY WRITING

ADD-ON COURSE 2021-2022

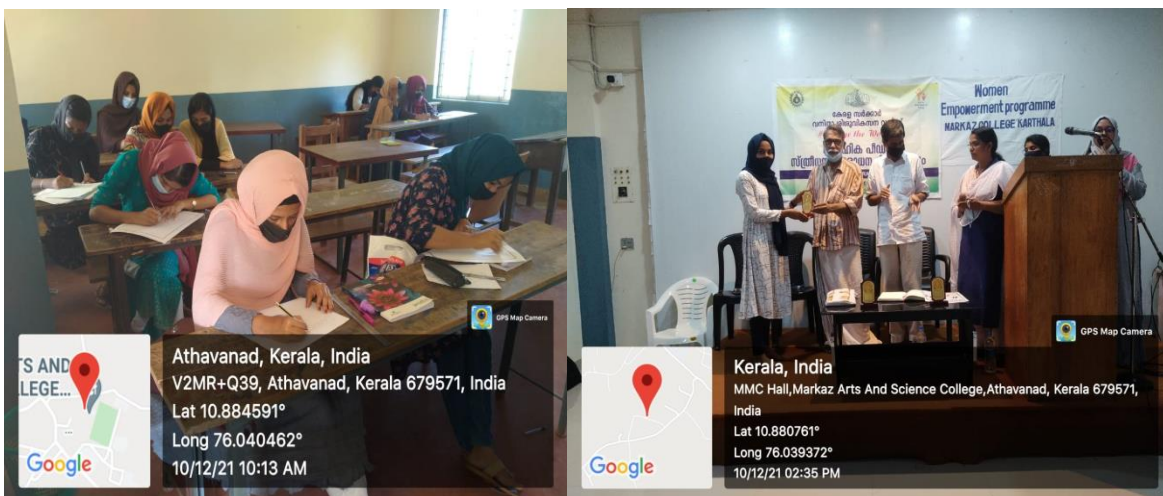
Department of microbiology offered an add on course of HAZARD ANALYSIS CRITICAL CONTROL POINT (MB-CC-004)of 30 hours duration from 01November 2021 to 10 December 2021.74 students enrolled in the course .All students were passed.

The course instructors were Mrs Jumaila K.P and Mrs Thsneem .P.The importance of hazard analysis critical control point was taught to the students as an additional benefits to their on-going course. After completing this course students able to understand hazard analysis ,importanceof critical control point,and problems of contaminated food .

WOMEN EMPOWERMENT CELL 2021-2022

Women Empowerment Cell (WEC) has been constituted to empower and safeguard the rights of female members; faculty, staff and students of college. The first meeting of women empowerment cell of the academic year 2021-2022 was held on 14/06/2021 through Google meet.

The Women Empowerment Cell of Markaz Arts and Science College in association with ICDS Projects, Kuttippuram Additional conducted a poster making competition on 'Dowry: an Injustice Against Women' as part of the Dowry Awareness Programme for the students. **NAJIHA FIDA K E**, who is a first-year student in Microbiology, placed first in the competition, followed by **SHAHDA**, first year BA English, in second position and **FATHIMATH SHIFA** first year Microbiology and **GOPIKA M K**, second year of MCom shared third position.



Winners of poster making competition receiving prizes from Mr. Rajan Kalam

Other programmes conducted by women cell in the academic year 2021-22 includes: webinars on “anaemia in adolescents, “orange the world: end violence against women now!”, a motivation class on “exam related tensions”, poster making competition, training on paper pen & paper bag making, workshop on ‘women safety- self defence for women’s, training on fabric painting and liquid embroydary and women’s day celebrations.

SOFT SKILL ENHANCEMENT PROGRAMME: 2021-2022

Mrs. JUMAILA K P, Head of the Department of Microbiology trained the first year Microbiology students about the **LABORATORY SKILLS AND SAFETY MEASURES** on 08/03/2021. The program was conducted at Microbiology lab and 35 students were participated. The participants acquired the basic knowledge about how to conduct an experiment with the laboratory safety measures in mind and what are the common experiments in microbiology.



LABORATORY SKILLS AND SAFETY MEASURES - SKILL ENHANCEMENT PROGRAMME

